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Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

SUMMARY OF THE PHYSICAL/CHEMICAL PROPERTIES (PR Notice 98-1)

1. PRODUCT NAME: Sharda Imazapic 23.6% SL II; ABN: Propose		**2. Reg. No.** 83529-XXX
3. COMPANY NAME: Sharda USA LLC		**4. SUBMISSION DATE:** March 24, 2021
5. FIRST SUBMISSION ☒ **6. RESUBMISSION** ☐	**7. PESTICIDE TYPE:** Herbicide	**10. REGISTRATION** [☒
8. FORMULATED MANUFACTURING-USE PRODUCT [☐ **or 9. END-USE PRODUCT** [☒		**11. REREGISTRATION** [☐
13. PRODUCT MANAGER OR CHEMICAL REVIEW MANAGER #/NAME (IF KNOWN): Erik Kraft PM 24		**12. REREG CASE #**

14. GUIDELINE REFERENCE NO.(GRN)/TITLE	15. VALUE or QUALITATIVE DESCRIPTION/METHOD(s) USED WHERE APPLICABLE AND REFERENCES	16. MRID or REPORT NO.
Group B, Series 830-Physical and Chemical Properties (40 CFR 158.190)		
-6302 Color	Pale Yellow; OPPTS 830.6302	51143402
-6303 Physical State	Liquid; OPPTS 830.6303	51143402
-6304 Odor	Aromatic odor; OPPTS 830.6304	51143402
-6314 Oxidation/Reduction: Chemical Incompatibility	Reference: 40 CFR 158.310 Product chemistry data requirements table. Footnote 13.	51143413
-6315 Flammability/Flame Extension	See Attachment 1	51143406
-6316 Explodability	Non-explosive in nature; Method EEC A.14 - Thermal sensitive and shock impact methods	51143405
-6317 Storage Stability	Test substance stored at 54C for 14 days. A.I. content of the active remained stable. CIPAC MT 46.3	51143402
-6319 Miscibility	Reference: 40 CFR 158.310 Product chemistry data requirements table. Footnote 16.	51143413
-6320 Corrosion Characteristics	See Attachment 1	51143402
-6321 Dielectric Breakdown Voltage	Reference: 40 CFR 158.310 Product chemistry data requirements table. Footnote 17.	51143413
-7000 pH	6.86 @ 25C, 1% w/v aqueous solution ; CIPAC MT 75.3	51143402
-7100 Viscosity	See Attachment 1	51143404
-7300 Density/Relative Density/ Bulk Density	1.0386 g/mL; pyknometer; EEC A.3	51143403

Attachment 1

Continuation of Summary of the Physical/Chemical Properties
Sharda USA LLC
Sharda Imazapic 23.6% SL II; ABN: Propose, EPA Reg. No. 83529-XXX Submission Date: March 24, 2021

Group B, Series 830-Physical and Chemical Properties

14. Guideline Reference	15. Value or Qualitative Description/Method Used Where Applicable and References	16. MRID or Report Number
-6315 Flammability	An auto-ignition study was conducted on the product following the guideline ASTM E 659-78. A round-bottomed, short neck flask enclosed in a temperature controlled oven and fitted with a thermocouple. A mirror was used to observe the sample after it was injected. The sample temperature was raised from 30°C to 350°C at the rate of 5°C/minute and the temperature was recorded every minute. No ignition was observed. The test was repeated with a rate of 30°C/min for 10 minutes up to 350°C. No ignition was observed. No ignition was observed up to 350°C inside the flask, and therefore the test substance is considered non-flammable. *Reference: Auto-ignition – 51143406*	51143406
-6320 Corrosion characteristics	Test substance stored at 54C for 14 days. No color changes, no physical changes to packing material. No perforations, darkening, leakages, rust or change in shape. OPPTS 830.6320	51139702
-7100 Viscosity	Used a calibrated Brook field UL Adaptor and spindle number 00 DV II + prime viscometer. Considering the test substance as a non-newtonian compound; CIPAC MT 192 and OECD 114 At 20°C 50 rpm = 55.5 cP 100 rpm = 58.3 cP At 40°C 50 rpm = 53.6 cP 100 rpm = 57.5 cP	51143404

Ogongi Ogongi, Agent
Name and Title of Approving Official

Signature of Approving Official

March 24, 2021
Date